



# Remote Sensing Applications Division (RSAD)

## CDR Program Office

Weekly Report for Apr 25, 2014  
Ed Kearns, Acting Chief

			Assessment		Deliver Drafts						Review and Provide Feedback						Deliver Final Versions						Misc		Archive			Release			
	CDR	PI TM	Assemble IPT	Perform Assessment	Deliver source code sample and README draft	Deliver Flow Diagram Draft	Deliver C-ATBD Draft	Deliver Maturity Matrix Draft	Deliver Sample netCDF dataset	Deliver SA Draft	Provide feedback on source code and README	Provide feedback on Flow Diagram Draft	Provide feedback on C-ATBD Draft	Provide feedback on Maturity Matrix Draft	Provide feedback on Sample netCDF dataset	Provide feedback on SA Draft	Deliver final source code and README	Deliver final Flow Diagram	Deliver final C-ATBD	Deliver final Maturity Matrix	Deliver final netCDF dataset	Deliver final SA	Create Collection Level Metatdata	Conduct Security Review	Archive Code Package	Archive Docs	Archive Data	Make data publicly available	Put data, docs, and code on dev web page	Conduct ORR	
1	AMSU-A FCDR (CH7 GPSRO)	Ho Shi	x	x	x	22-Jul	28-Jun	22-Jul	x	4-Sep	x	26-Jul	11-Jul	26-Jul	x	9-Sep	23-Aug	5-Aug	27-Aug	5-Aug	13-Sep	10-Sep	11-Sep	27-Aug	17-Sep	17-Sep	17-Sep	20-Sep	24-Sep	7-Nov	
2	Cloud Properties	Heidinger Knapp	x	x	x	x	17-Mar	11-Jan	x	16-Jan	x	x		14-Jan	x	30-Jan		x		16-Jan	Mar	Mar									Apr 2014
3,4	Vegetation (Sfc Ref, NDVI)	Vermote Matthews	x	17-Jan	22-May	2-Jul	26-Jul	7-May	22-May	6-Nov	29-May	9-Jul	22-Aug	6-Nov	30-Jun	8-Nov	1-Apr	1-Nov	19-Nov	5-Mar	24-Apr	12-Nov		6-Nov			Apr				Apr 2014
5	MSU TCDR	Zou Semunegus	x	IP 23-Dec	25-Feb	25-Feb	25-Feb	25-Feb	25-Feb	19-Mar	4-Mar	4-Mar	4-Mar	4-Mar	4-Mar	26-Mar	28-Mar	31-Mar	31-Mar	31-Mar	28-Mar	2-Apr					1-Apr				May 2014
6	OLR Daily	HT Lee Shreck	x	x	May	6-Jan	Apr	11-Jan	30-Jan			10-Jan		14-Jan				15-Jan		15-Jan											May 2014
7,8,9	Ocean Surface (SST, Sfc Props, Heat Flux)	Clayson Zhang	x	21-Feb	12-Dec	3-Apr		19-Feb	25-Nov	ATRAC	16-Dec				13-Dec																Jun 2014
10	Stratospheric (Ozone)	Rosenlof Young	x	x			20-Mar		30-Oct 4-Apr	ATRAC			27-Mar		6-Jan																Jul 2014
11,12	Cryosphere (APP FCDR) (APP-x TCDR)	Key Young	13-Jun	IP 20-Dec			20-Mar		12-Mar					20-Mar																	Aug 2014
13	AVHRR FCDR (5 CHs, Cloud Properties)	Minnis Young	x	22-Nov		14-Feb	31-Dec	7-Feb	14-Feb	20-Dec		21-Feb	13-Feb	14-Feb	18-Feb					14 TB May						60 TB					Aug 2014
14	Vegetation (LAI/FAPAR)	Vermote Matthews	x	17-Jan	24-Jun	2-Jul	26-Jul	7-May		6-Nov	29-May	9-Jul	22-Aug			8-Nov		1-Nov													Sep 2014
15	Cloud/ Moisture Bundle (CTP, TPW)	Menzel Young	x	31-Jan	1-Oct	5-Aug	15-May	5-Aug	21-Oct	ATRAC 10 yr	29-Oct	29-Oct	29-Oct 10-Jan								NCDC creating										Sep 2014
16	CMORPH	Xie Prat	x																												Oct 2014
17	Solar Irradiance (Oservational)	Pilewskie Inamdar	x	6-Mar	22-Jan	26-Mar		26-Mar		ATRAC																					Nov 2014
18	Solar Irradiance (Composite)	Lean Inamdar	x	6-Mar	22-Jan	26-Mar		26-Mar		ATRAC																					Nov 2014
19	ISCCP	Rossow Knapp	x	17-Jan																											Dec 2014
20	NRT Sea Ice Concentration	Fetterer Peng	x	PI says NO deliverables																											Dec 2014
21	MSU Ch3, Ch4, Trop Hgt	Ho Shi	x	On Hold																											Dec 2014



	CDR	PI	TM	Assessment		Deliver Drafts					Review and Provide Feedback						Deliver Final Versions						Misc		Archive			Release					
				Assemble IPT	Perform Assessment	Deliver source code sample and README draft	Deliver Flow Diagram Draft	Deliver C-ATBD Draft	Deliver Maturity Matrix Draft	Deliver Sample netCDF dataset	Deliver SA Draft	Provide feedback on source code and README	Provide feedback on Flow Diagram Draft	Provide feedback on C-ATBD Draft	Provide feedback on Maturity Matrix Draft	Provide feedback on Sample netCDF dataset	Provide feedback on SA Draft	Deliver final source code and README	Deliver final Flow Diagram	Deliver final C-ATBD	Deliver final Maturity Matrix	Deliver final netCDF dataset	Deliver final SA	Create Collection Level Metadata	Conduct Security Review	Archive Code Package	Archive Docs	Archive Data	Make data publicly available	Put data, docs, and code on dev web page	Conduct ORR		
1	AMSU-A FCDR (CH7 GPSRO)	Ho Shi		1)	Complete	22-Jul	28-Jun	22-Jul	x	4-Sep	x	26-Jul	11-Jul	26-Jul	x	8-Sep	22-Aug	5-Aug	27-Aug	5-Aug	12-Sep	10-Sep	11-Sep	27-Aug	17-Sep	17-Sep	17-Sep	20-Sep	24-Sep		7-Nov		
2	Cloud Properties	Heidinger Knapp		2)	Data ready for archive.	1-Jun	x	18-Jan	x	18-Jan	x	x		14-Jan	x	20-Jan		x			16-Jan	Mar	Mar									Apr 2014	
3,4	Vegetation (Sfc Ref, NDVI)	Vermote Matthews		3-4)	All data has been archived.	22-May	6-Nov	24-May	8-Jul	22-Aug	6-Nov	30-Jun	6-Nov	1-Apr	1-Nov	10-Nov	5-Mar	24-Apr	12-Nov		6-Nov						Apr					Apr 2014	
5	MSU TCDCR	Zou Semunegus		5)	Received all data and documentation; need security review and README for code package												Mar	2-Apr										1-Apr				May 2014	
6	OLR Daily	HT Lee Shreck		6)	PI will serve the data until ORR is complete - due to ESRL no longer updating daily OLR																											May 2014	
7,8,9	Ocean Surface (SST, Sfc Props, Heat Flux)	Clayson Zhang		7-9)	PI working on C-ATBDs and interpolation scheme; sample data should be ready in 2 weeks																											Jun 2014	
10	Stratospheric (Ozone)	Rosenlof Young		10)	Received updated sample data						ATRA			27-Mar		5-Jun																	Jul 2014
11,12	Cryosphere (APP FCDR) (APP-x TCDCR)	Key Young		11-12)	Received Imp Plan; PI working on C-ATBD over break; Sample netCDF file posted on ftp for pull and review																												Aug 2014
13	AVHRR FCDR (5 CHs, Cloud Properties)	Minnis Young		13)	60TB dataset – Will deliver in segments (first 14 TB should be available in May), AB plans to put into CLASS																14 TB ready							60 TB					Aug 2014
14	Vegetation (LAI/FAPAR)	Vermote Matthews		14)		17-Jan	24-Jan	2-Jul	26-Jul	7-May	6-Nov	24-May	8-Jul	22-Aug		6-Nov		1-Nov															Sep 2014
15	Cloud/ Moisture Bundle (CTP, TPW)	Menzel Young		15)	Fixed problem reproducing sample CTP month (missing “save” statement). Will run end-to-end test to ensure no errors						10-Jul																						Sep 2014
16	CMORPH	Xie Prat		16)	Start work in FY14 – but low priority																												Oct 2014
17	Solar Irradiance (Observational)	Pilewskie Inamdar		17)	Received updated Flow diagram (combines TSI and SSI)																												Nov 2014
18	Solar Irradiance (Composite)	Lean Inamdar		18)	Received draft MM			26-Mar			ATRA																						Nov 2014
19	ISCCP	Rossow Knapp		19)	Anand/Alisa/Bill found coding error; they were able to step through one month of processing																												Dec 2014
20	NRT Sea Ice Concentration	Fetterer Peng		20)	CIRES money in place; PI says there are NO deliverables with a grant - will need to monitor closely																												Dec 2014
21	MSU Ch3, Ch4, Trop Hgt	Ho Shi		21)	Low Priority																												Dec 2014



# SCHEDULE OF DELIVERABLES - CDRP 2013 O&M Contracts and Grants

CDR	Imp Pln	QA Proc	Up-to-date with Data deliveries	QA Results	IP Lic.	CDRP action required?
UAH MSU			not public			<b>CH</b> - review CR Questionnaire and respond to PI
Pathfinder SST			data thru 2012/not monthly			<b>CH</b> - continue monitoring CR/ continue reviewing Implementation Plan
PATMOS-x			Currently undergoing CR			<b>OB</b> - archiving data
AMSU-A ch7						
AMSU-A ch9						
GridSat B1	N/A	N/A	Currently undergoing CR	N/A	N/A	<b>CH</b> - continue monitoring CR <b>PI</b> - need Maturity Matrix and C-ATBD submitted
CSU SSMI(S)						
Monthly OLR			was not funded FY12 for O&M	not in WA		<b>CH</b> - continue monitoring CR
RSS MSU				not in WA		
Sea Ice Conc.						
Snow Cover Extent (NH)						
HIRS Ch12	N/A	N/A	Currently undergoing CR	N/A	N/A	<b>CH</b> - continue monitoring CR
PERSIANN						CCB approved
RSS SSMI(S)				not in WA		
AOT	N/A	N/A		N/A	N/A	
AMSU Chs 4-14						



# CDR Program Office

## NPP/JPSS Climate Raw Data Records (C-RDRs) Project

### Weekly Report – April 25, 2014

#### VIIRS

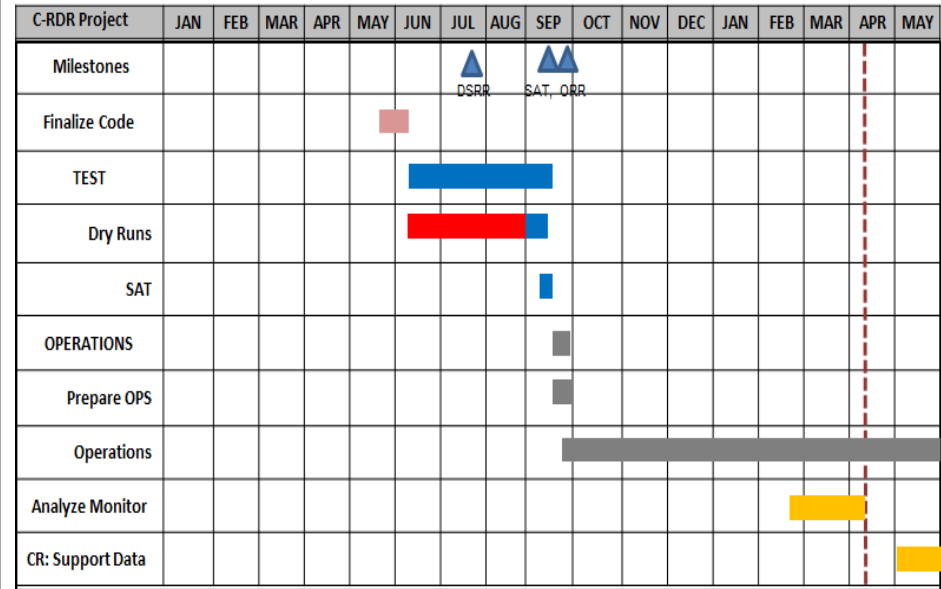
①

- Completed code for C-RDR.

②

#### System Infrastructure

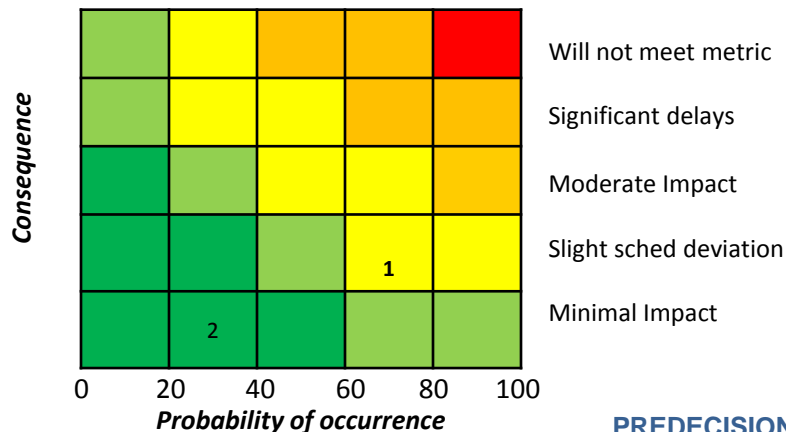
- Integrating with the VIIRS C-RDR.
- Presenting C-RDRs at STAR JPSS science meeting May.**
- Creating Java viewer for C-RDRs.**
- Working on Project Plan for monitoring.**
- Working to generate a current supporting data file.
- VIIRS C-RDRs are operational and accessible via HAS.
- Collection level metadata available on Climate.gov and DOI.org.
- Evaluating JPSS support data Change Requests and their effects.
- C-RDR is first product moving to three tier environment.
- Initial verification of SDR from C-RDR compared successfully.
- VIIRS Product Specification is ITAR approved.
- Will deliver initial version with ADL 3.1.



R2O PHASE:



### Risk Matrix



### Risk and Mitigation

#### VIIRS –

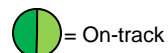
- Operational software is under maintenance, updated versions may affect C-RDR ported version. Will affect Supporting Data Files but should not affect C-RDR.

#### System Infrastructure –

- Reliability of NPP RDRs from CLASS via subscription. Need to develop an automated mechanism for re-requesting data.

PREDECISIONAL DRAFT INFORMATION

4/30/2014



= On-track      = Potential management action required      = Management attention required

# CDR Program Office

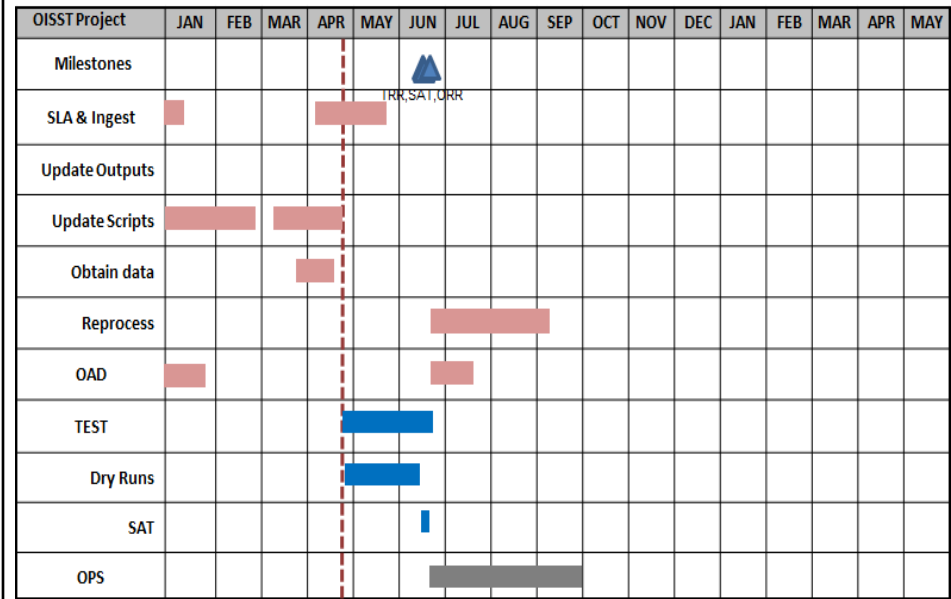
## OISST Research to Operations Project

### Weekly Report – April 25, 2014

#### 1 OISST – Optimum Interpolated Sea Surface Temperature

- Testing the forward processing scripts with new directory structure.
- Updating reprocessing scripts with new directory structure.
- Verifying GHRSSST 2.0 output format.
- Successfully completed 30 day parallel test.
- Comparing NCDC GTS with NCEP ship/buoy data for use. GCAD is resolving issues but requires new operational code.
- AVHRR data for the 15 day delay product is available from CLASS.
- Running test data and code on Rainband for parallel test.
- GSTWG discussing inputs and production of preliminary OISST.
- Created a SOP for operational OISST.
- Completed refactoring of each component.
- Conducted Technology Assessment Review July 25.

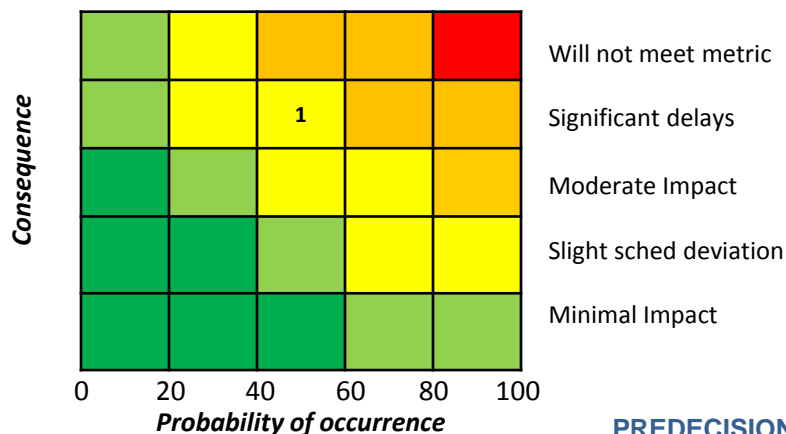
Operations:



R2O PHASE:



### Risk Matrix



### Risk and Mitigation

1 Time to progress through the three tier environment. ITB support is required.

PREDECISIONAL DRAFT INFORMATION

4/30/2014

